parasites of the Pink Boll worm, Pectinophora gossypiella (Saunders). Boll. Lab. Zool., Portici. 33: 57-58. (fide Rev. appl. Ent. Ser. A. 1957, 45: 378).

NARAYANAN, E. S.; ANGALET, G. W.; SUBBA RAO, B. R. & D'SOUZA, G. I. (1953): A technique for mass breeding of *Apanteles* n. sp. (Braconidae: Hymenoptera). *Curr. Sci.* 22: 21.

NARAYANAN, E. S.; SUBBA RAO, B. R. & GANGRADE, G. A. (1959): The biology and rate of reproduction and morphology of the immature stages of *Apanteles angaleti* Muesbeck (Hymenoptera: Braconidae). *Beitr. Ent.* 6: 296-320 (fide *Rev. appl. Ent.* Ser. A., 1959, 47: 73).

OGLOBLIN, A. (1947): Las especies nuevas del genero *Camptoptera* de Misiones (Mymaridae, Hym.). *Acta. Zool. Lilloana* 4: 493-508.

SOYKA, W. (1946): Revision einiger Mymaridengattungen. Zbl. Gesamt. Gb. Ent. 1: 33-44.

SUBBA RAO, B. R. (1967): Description of some new species of encyrtids from India. *Bull. ent.* 8: 1-7.

STRASSEN, R. Zur. (1950): Ein never vartreter der Gattung Camptoptera. Senckenbergiana 31: 145-150.

THOMPSON, W. R. (1953): A catalogue of the parasites and predators of insect pests. Hosts of the hymenoptera (Galliceratid to Evaniid) Sect. 2 Part 3. The Commonwealth Institute of Biological Control, Canada: 271.

VARSHNEY, R. K. (1976): A check list of insect parasites associated with lac. *Oriental Insects*. 10 (1): 55-78.

20. A FLOURISHING COLONY OF *COPTOTERMES HEIMI* (WASM.) (INSECTA: ISOPTERA) IN A NAVAL BOAT

Coptotermes heimi is a serious wood-destroying termite of India (Sen-Sarma et al. 1975). It attacks timber structures in building, wooden poles, posts, timbers used in wooden bridges and wood lying in the open. It occurs throughout the Indian subcontinent. It has also been recorded as an introduced species in some parts of South-East Asia (Lever 1952; Gay 1969).

Species of the genus *Coptotermes* normally live in subterranean colonies and maintain soil connection for their sustenance. However, instances are on record where fully established colonies (without, maintaining soil connections) of some species of *Coptotermes* have been reported (Mathur & Sen-Sarma 1959; Sen-Sarma *et al.* 1975). The present note records the establishment of a flourishing colony of *Coptotermes heimi* in a Naval Boat, Bombay without maintaining soil connection. The colony comprised of a primary queen, workers, soldiers and nymphs. This seems to be

the first record of a colony of Coptotermes heimi in a naval boat in India which remains on the high sea most of the time. The presence of the primary queen leads to the conclusion that the colony was established by the swarming alates presumably during the period when the boat was docked in a dry dock. As the alates are weak fliers, successful landing of alates in the boat in the high sea is ruled out. Subsequent availibility of food, regular source of moisture and other factors were conducive for the establishment of a viable colony. This discovery is important in many respects. It indicates that a colony of C. heimi can survive without maintaining soil connection provided a source of moisture is available. It also shows that this species of termites can pose serious problems in sea vessels and is capable of being introduced to other geographical regions. The colony was collected by the Naval Metallurgical Laboratory, Bombay to whom our thanks are due.

Forest Entomology Branch, Forest Research Institute & Colleges, Dehra Dun, January 3, 1978. M. L. THAKUR P. K. SEN-SARMA

REFERENCES

GAY, F. J. (1969): Species introduced by man. *In*—Biology of Termites, Vol. I: 459-494 (Academic Press, New York).

LEVER, R. J. W. (1952): New or recently introduced insect posts in Singapore, absent from the Federation of Malaya. *Malayan Agri. J.*, 25: 214-217.

MATHUR, R. N. AND SEN-SARMA, P. K. (1959):

Notes on the habits and biology of Dehra Dun termites, Pt. I. J.T.D.P.A. India, Dehra Dun, 5(3): 3-9.

SEN-SARMA, P. K., THAKUR, M. L., MISHRA, S. C. AND GUPTA, B. K. (1975): Studies on wood destroying termites in relation to natural termite resistance of timber. *Final Tech. Rept. P.L. 480 Project No. A7-FS-58* (1968-73): 1-187.

21. ON THE EULITTORAL PALAEMONID SHRIMP (CRUSTACEA, DECAPODA) OF VISAKHAPATNAM COAST

(With a text-figure)

During a visit to the Ramakrishna Beach of Visakhapatnam, on March 23, 1977, a few shrimps were observed lurking beneath some semi-exposed rocks. In all, four shrimps were collected and after noting the colour, preserved. Again, on April 20, 1977 the same species of shrimp was collected from the rockpools of Bimilipatnam coast (25 km north of Visakhapatnam).

The shrimps were identified as *Palaemon* (*Palaemon*) belindae (Kemp, 1925). This species was originally described by Kemp (1925) as Leander belindae, based on specimens from Kilakarai (Gulf of Mannar) and Cape Comorin. Holthuis (1950) defined the genus *Palaemon* Fabricius and included Kemp's belindae under the nominate subgenus *Palaemon*. To date, *P.* (*P.*) belindae does not appear to have been recorded beyond the typelocality. Although Kemp's original description is excellent, some supplementary notes and illustrations are given here.

Of the nine specimens, seven are females (all five belonging to the April 20, 1977

sample are ovigerous) and two are males. Measurements of the largest specimen (9): body length 37.0 mm, carapace length 8.0 mm and rostrum length 6.0 mm; correspond-

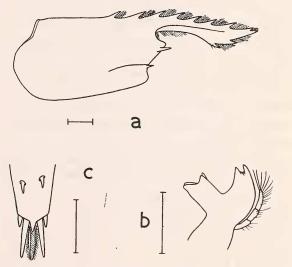


Fig. 1. Palaemon (Palaemon) belindae (Kemp, 1925). a. carapace and rostrum; b. mandible; c. distal part of telson. (Scale = 1.0 mm).